

What is claimed is:

1. A method of making an adhesive, comprising the steps of:
derivatizing collagen with a functional group; and
heating a composition including said derivatized collagen to thereby increase a concentration of said derivatized collagen in said composition.
2. A method in accordance with claim 1, further comprising the step of extracting said collagen from a tissue source prior to said derivatizing step.
3. A method in accordance with claim 2, wherein said tissue source includes an animal tissue.
4. A method in accordance with claim 1, wherein said derivatizing step includes a step of reacting said collagen with 4-mercapto-1,8-naphthalic anhydride.
5. A method in accordance with claim 1, wherein said derivatizing step further includes a step of reaction with glutaric anhydride.
6. A method in accordance with claim 1, further comprising additional heating steps to adjust said concentration of said derivatized collagen in said composition.
7. A method in accordance with claim 1, further comprising a step of adding a pH altering material to said derivatized collagen to thereby adjust a pH of said composition to be within a desired range.
8. A method in accordance with claim 7, wherein said desired range is 6.8 – 7.8.
9. A method in accordance with claim 7, wherein said pH altering material includes NaOH.

derivatizing collagen with a functional group; and

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result.

[illegible]

15. A method in accordance with claim 14, wherein said derivatizing step further includes a step of reaction with glutaric anhydride.

17. A method in accordance with claim 11, further comprising a step of adding a pH altering material to said derivatized collagen to thereby adjust a pH of said composition to be within a desired range.

19. A method in accordance with claim 17, wherein said pH altering material includes NaOH.

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a material selected from the group of collagen fibrils, collagen fibers and collagen fiber bundles.

TECHNICAL INFORMATION